



KONICA MINOLTA

PagePro 1400W



Technical Guide



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PagePro
1400W



Introduction

The PagePro 1400W is small enough to sit on the desktop but priced to fly off the shelf!

The PagePro™ 1400W features professional print quality in a compact, affordably priced personal laser. This Windows®-compatible black & white unit prints sharp 1200 x 600 dpi resolution pages at 17 ppm. And it comes with 8 MB RAM and a Hi-Speed USB 2.0 interface for fast processing of personal and business documents.

Proving that the best things really do come in small packages, the PagePro™ 1400W is lightweight and compact, with a small price tag to match. It weighs just 15.6 pounds, measures less than 14" x 11", and produces high-quality prints for just pennies per page. It's designed for a variety of media weights and sizes, so it can handle plain paper, thick stock, transparencies, labels, and envelopes, from postcard (3.9" x 5.8") up to legal (8.5" x 14") size.

Compact, affordable, and simple to use, the PagePro 1400W from KONICA MINOLTA is a "must have" personal office accessory. The PagePro 1400W is perfectly sized and perfectly equipped for the home office or small business workspace.





Specs at a Glance

[An overview of the features of the PagePro 1400W.](#)



Compact, affordable and simple to use.

Print Method	Electrophotographic monochrome laser
Print Speed	Up to 17 monochrome ppm (letter)
Resolution	Up to 1200 x 600 dpi
Duty Cycle	Up to 9,000 letter prints/month
Memory	8 MB SDRAM
Standard Interfaces	Hi-Speed USB 2.0
Media Sizes	Up to legal (8.5" x 14" / 216 x 356 mm)
Media Weights	Up to 90 lb. Index (163 g/m ²)
Media Input	150-sheet multipurpose tray
Media Output	100-sheet face-down tray
Print Media Types	Plain/recycled paper, thick stock, transparencies, laser-quality labels, envelopes
Software Utilities	Drivers for Windows XP/2000/Me/98SE; Status Display
Typefaces	Compatible with Windows and TrueType® fonts printed via Windows GDI utilities; one resident typeface included
Warranty	One-year exchange



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Specs at a Glance

[An overview of the features of the PagePro 1400W.](#)





Target Markets

For the home office and small business.

The PagePro 1400W is ideal for both home office and small office environments. Its small footprint, fast speed, high quality, and affordable price make it the perfect printer for a variety of uses:

- ☐ Home offices
- ☐ Executive desks
- ☐ Student (dormitory) use
- ☐ Insurance offices
- ☐ Attorney offices
- ☐ Hotel front desks
- ☐ Accounting offices
- ☐ Schools
- ☐ Libraries
- ☐ Tax preparers
- ☐ Travel agents



Use this versatile monochrome laser to create:

- | | |
|---------------------------|-----------------------|
| ■ Brochures | ■ Flyers |
| ■ Reports | ■ Spreadsheets |
| ■ Invoices | ■ Sales sheets |
| ■ Business correspondence | ■ CD & address labels |
| ■ Legal documents | ■ Itineraries |
| ■ Homework | ■ Policy updates |
| ■ Student memos | |



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Key Features

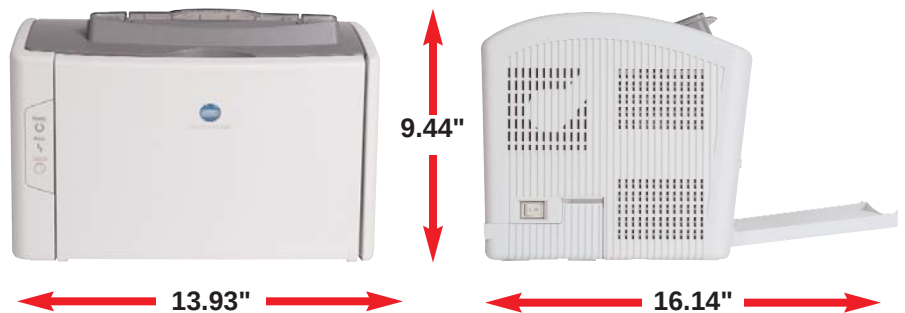
The PagePro 1400W is the perfect personal black & white laser.

Compact Size

The PagePro 1400W is perfectly sized and equipped for the home office or small business workspace. It weighs only 15.6 pounds and measures less than 11" x 14". In designing this model, the primary goal was to develop a printer that would fit easily into the most streamlined of workspaces—whether home office, dorm room, tabletop, cubicle, or desktop.



A low cost-per-page makes this compact laser even more budget-friendly!



Affordable Price

Besides its low purchase price, the PagePro 1400W boasts a cost per page of only pennies per print, making it budget-friendly for the small business and home office user. At this price, anyone can afford laser-quality printing.

Fast Print Speed

The PagePro 1400W delivers its first page in 13 seconds or less and boasts an impressive overall print speed of 17 ppm for letter-size prints. This makes it one of the fastest contenders in its class.

Professional Print Quality

You will be amazed at the high-quality print resolution provided by this low-priced little monochrome laser. At 1200 x 600 dpi, the PagePro 1400W delivers excellent output with fine image details, smooth grayscale gradients, sharp text even at small font sizes, and crisp lines in graphics and clip art. No special media is required to get the best results from the PagePro 1400W—it produces the same professional print quality even on recycled paper.

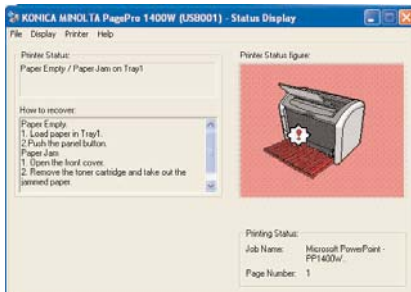


Ease of Use

A hallmark of KONICA MINOLTA printers is ease of use, and the PagePro 1400W is no exception. Simple setup and operation make the PagePro 1400W a breeze to use.



Front access makes replacing supplies so simple.



The Status Display provides helpful explanations of any errors that may have occurred.

- ❑ **Pre-installed supplies:** When the printer arrives, you will find the supplies have been pre-installed at the factory to save valuable time during setup.
- ❑ **Front-access to supplies:** When supplies run low, replacement is easy. The toner and drum are accessible from the front of the printer, and the inside of the front panel displays supply replacement guidelines.
- ❑ **Auto-install software:** The Utilities & Documentation CD-ROM features an auto-install interface that guides you, step-by-step, through the installation of drivers and the Status Display management utility.
- ❑ **Printer management with desktop convenience:** A handy desktop management tool included with the PagePro 1400W is the Status Display. It resides on the screen for easy accessibility, and shows detailed information about the printer including current status, current consumable levels, and explanations of any errors that may have occurred. This information is provided in a helpful, graphical format.



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Engine

Excellent print quality and performance.



This reliable laser delivers high-quality prints at 17 ppm.

Type

The PagePro 1400W is based on a KONICA MINOLTA laser printer engine. The engine features selectable resolutions of 600 x 600 dpi and 1200 x 600 dpi.

Duty Cycle

9,000 prints (letter size) per month maximum.

Print Speed by Page Size

Page Size*	Resolution	Print Speed
Letter	1200 x 600 dpi	17 ppm
A4	1200 x 600 dpi	16 ppm
* Normal paper		

First-Page-Out Times*

Page Size**	Resolution	First Page Out
Letter/A4	1200 x 600 dpi	13 seconds or less

* From an idle, ready state

** Normal paper

Operating Environment Conditions

Power Supply

110–127 V, 50–60 Hz

Power Consumption

900 W maximum

390 W or less (average during printing)

8 W or less (Energy Saver)

Temperature (operating)

50°–95° F (10°–35° C)

Humidity (operating)

15–85% RH

Noise

Less than 54 dB (printing)

Less than 30 dB (standby)



Weights and Dimensions

Packaging

<u>Width</u>	<u>Depth</u>	<u>Height</u>
19.4" (493 mm)	15.6" (396 mm)	14.4" (366 mm)

Printer (with multipurpose tray closed)

<u>Width</u>	<u>Depth</u>	<u>Height</u>
13.93" (354 mm)	10.59" (269 mm)	9.44" (240 mm)

Printer (when ready to print)

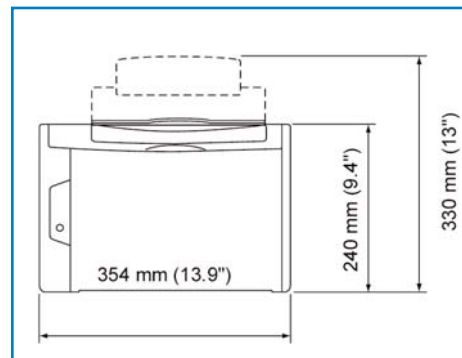
<u>Width</u>	<u>Depth</u>	<u>Height</u>
13.93" (354 mm)	16.14" (410 mm)	9.44" (240 mm)

Weight

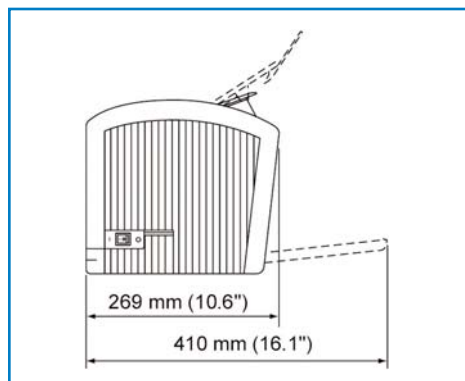
Shipping (printer)	20.6 lbs (9.36 kg)
Printer only with consumables	15.6 lbs (7.09 kg)
Printer only without consumables	14 lbs (6.36 kg)



This printer is designed to fit even in the most space-compromised environments.



Clearance dimensions (front view)



Clearance dimensions (side view)



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Controller

The printer's 8 MB of RAM is sufficient for printing all supported page sizes.

The PagePro 1400W supports the Graphical Display Interface (GDI) for Windows and, as such, utilizes the power of the host computer's CPU for processing documents prior to printing. The printer's controller features a compression/decompression ASIC used for imaging the document.

Host Computer Requirements



PC Hardware	333 MHz Celeron-class CPU
Operating System	Windows XP Windows 2000 Windows Me Windows 98SE
PC Memory	128 MB (XP) 64 MB (2000, Me, 98SE)
Hard Disk Space	128 MB
CD-ROM	For installation of drivers and utilities
Interface	Hi-Speed USB 2.0

Processor

The PagePro 1400W uses an Application Specific Integrated Circuit (ASIC) for document imaging.

Printer Memory

The PagePro 1400W includes 8 MB of RAM on the controller. This memory is sufficient for printing all supported page sizes at all supported resolutions. There is no need to install additional memory in the printer. However, increasing memory on the host computer may improve the transmission speed and overall performance of the printer.



Resolution

- ❑ 1200 x 600 dpi (Default)
- ❑ 600 x 600 dpi

For printing draft prints and disposable documents, select 600 x 600 dpi resolution.

Connectivity

The Hi-Speed USB 2.0 interface that is integrated into the controller provides a 4-pin Series B connector. This “Plug and Play” interface supports Windows XP, 2000, Me, and 98SE.



The recess behind the removable side panel neatly holds the USB cable.



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Media Handling

The PagePro 1400W supports a wide range of media sizes and types to meet the needs of busy homes and offices.

Standard Media Handling

The PagePro 1400W includes an adjustable 150-sheet multipurpose tray that accommodates all supported page sizes. Printed pages are delivered face down into the printer's 100-sheet output tray. When necessary, both trays can be closed to conserve space.



The output tray must be opened before printing.



The adjustable multipurpose tray holds up to 150 sheets of paper.

Print Media

The PagePro 1400W supports a range of print media to handle a variety of applications. For a complete list of approved media, refer to printer.konicaminolta.com.

Media Type	Specifications	Driver Setting
Normal paper	16–24 lb (60–90 g/m ²)	Plain Paper
Recycled paper	16–24 lb (60–90 g/m ²)	Plain Paper
Envelopes	Supported*	Envelope
Labels (sheet)	Supported*	Thick Paper
Postcards	16–43 lb (60–163 g/m ²)	Postcard
Thick paper	25–43 lb bond** (91–163 g/m ²)	Thick Paper
Transparencies	KONICA MINOLTA Q-Media	Transparency

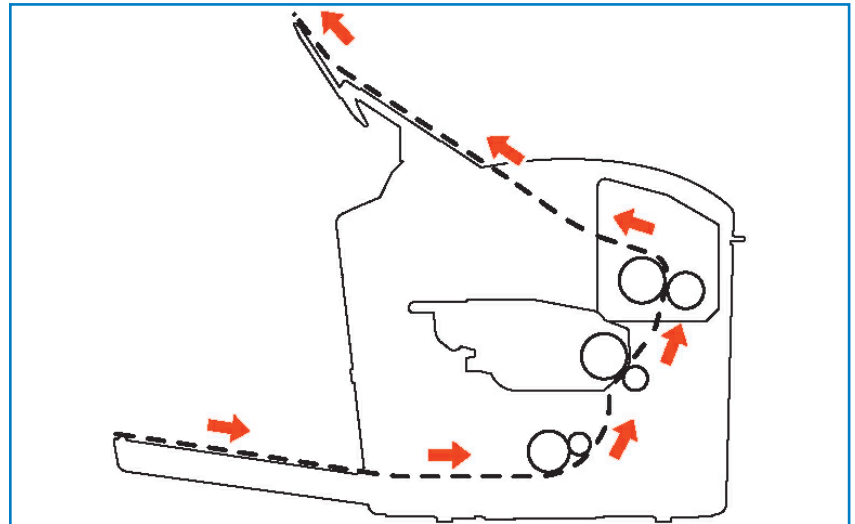
* Must be certified for laser printers and capable of withstanding fusing temperature of 401° F (205° C)



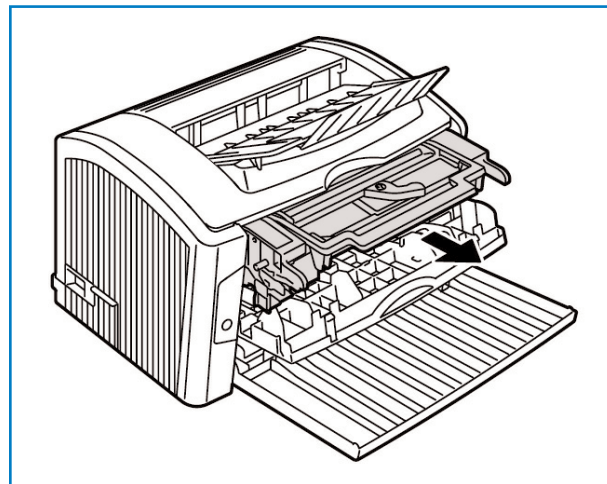
Media Path

The printer's media path follows a C-shaped curve, allowing it to support thicker stock papers without problem.

A C-shaped media path means you can print heavier paper stocks and experience fewer misfeeds.



Pull the handle of the cartridge toward you, and then pull out the cartridge to clear a media jam.



Imageable Area

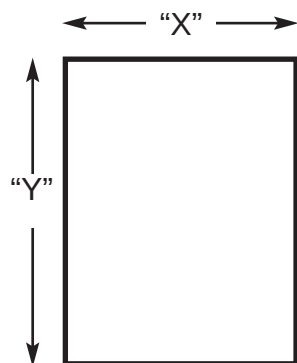
- ❑ Guaranteed print width—Up to 8.31" (208 mm)
- ❑ Guaranteed print length—up to 13.70" (348 mm)
- ❑ Non-printable area—0.16" (4 mm) from all page edges



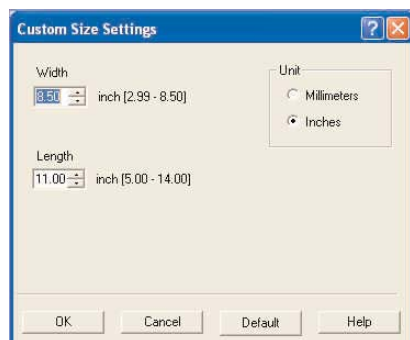
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Supported Media Sizes



The table at the right refers to X and Y dimensions of the media as diagrammed above.



Define custom page sizes from the PagePro 1400W printer driver.

Media Type

x-Dimension

y-Dimension

Cut-Sheet Paper

A4	210 mm	297 mm
A5	148 mm	210 mm
B5 (JIS)	182 mm	257 mm
Executive	7.25"	10.5"
Folio	210 mm	330 mm
Foolscap	8"	13"
Government Letter	8.5"	10"
Government Legal	8.5"	13"
Kai 16	185 mm	260 mm
Kai 32	130 mm	185 mm
Legal	8.5"	14"
Letter	8.5"	11"
Letter Plus	8.5"	12.7"
Statement	5.5"	8.5"
UK Quarto	8"	10"
Custom	2.99" - 8.5"	5" - 14"

Envelopes

Com 10	4.125"	9.5"
B5 (ISO)	176 mm	250 mm
C5	162 mm	229 mm
C6	114 mm	162 mm
DL	110 mm	220 mm
Monarch	3.875"	7.5"
Chou #3	120 mm	235 mm
Chou #4	90 mm	205 mm
You #4	105 mm	235 mm
16K	195 mm	270 mm

Transparencies

A4	210 mm	297 mm
Letter	8.5"	11"

Postcard

Double Postcard	148 mm	200 mm
Japanese Postcard	100 mm	148 mm



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Advanced Document Processing

The PagePro 1400W printer driver provides several advanced document processing functions:

- ☐ N-up printing
- ☐ Form overlays
- ☐ Watermarks
- ☐ Quality



N-up printing



Watermarks

N-up printing

The printer driver n-up option allows you to print a 2, 4, 6, 9, or 16 pages of a multi-page document on a single sheet of media. Add a border line and select the flow of the pages across the sheet using easy-to-understand settings.

Form overlays

A form overlay is a print file that is printed either on the first page or on all pages of a document.

Watermarks

A watermark is a word or phrase that can be printed only on the first page or repeated on each printed page. You can add common text watermarks such as "CONFIDENTIAL" and "DRAFT" to a document—or create a custom watermark. The printer driver also includes selections for indicating the watermark's font, style, size, placement, and angle. The percentage of gray can be also be adjusted by selecting the "Depth" option.



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Supplies

PagePro 1400W supplies are easy to replace and cost-effective.



PagePro 1400W Toner Cartridge and OPC Drum

Toner Cartridge

The PagePro 1400W includes an in-box starter cartridge that produces an average of 1,000 prints (5% coverage, letter/A4 size, continuous printing). Replacement cartridges are available in 2,000 page yields.

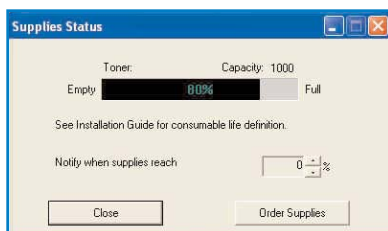
OPC Drum Cartridge

The printer includes one full-capacity OPC Drum Cartridge which yields an average of 20,000 pages (5% coverage, letter/A4 size, continuous printing). The drum cartridge includes both the OPC drum and waste toner box. The waste toner box captures excess toner from the printing process and prevents engine damage from loose toner particles.

Supply Yields

Supply yields are expressed as an average number of letter/A4 pages at 5% coverage. However, actual consumable life depends on such variables as page coverage, page size, media type, continuous or intermittent printing, ambient temperature, and humidity.

Optimal supply life is achieved with continuous printing (three or more pages per job). Intermittent printing (one page per job) reduces consumable life.



Easy-to-read "gas gauge" toner level indicator in the Status Display



A convenient "pop-up" in the Status Display alerts you when toner has been depleted to a certain level

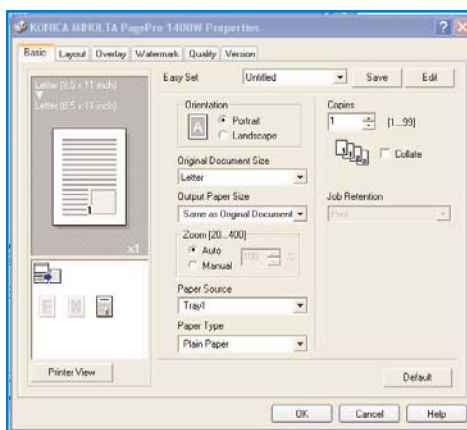
Supplies Monitoring

You can easily monitor the status of printer supplies through the PagePro 1400's convenient Status Display. By selecting "Supplies Status" from the "Display" sub-menu, the amount of toner remaining in the cartridge can be viewed in an easy-to-read "gas gauge" toner level indicator. The Supplies Status display can be set to provide convenient pop-up reminders about reordering toner, once toner use has been depleted to a certain level. It also provides a handy link to the KONICA MINOLTA website for easy online supply ordering.



Printer Management

Complete printer control at your command.



The PagePro 1400W Windows driver features a tabbed layout that conforms to Microsoft standards, making it very simple to use.

Convenient Printer Management Tools

You can manage the printer through the convenient printer management tools built into the printer and included on the printer's auto-install *Utilities and Documentation* CD-ROM.

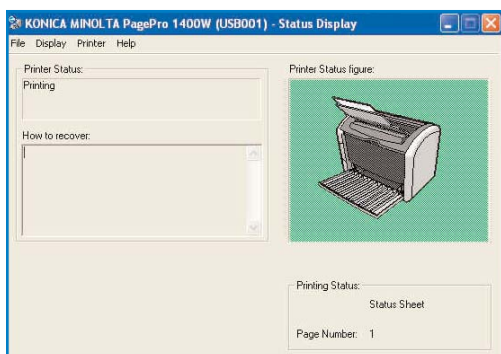
- ☐ Printer drivers for all supported versions of Windows
- ☐ Status Display
- ☐ Control panel
- ☐ Electronic documentation

Printer Drivers

The PagePro 1400W ships with print drivers for Windows XP, 2000, Me and 98SE. Printer drivers are available in 16 languages: English, Chinese Simplified, Chinese Traditional, Russian, Korean, French, Brazilian Portuguese, Spanish, German, Italian, Czech, Polish, Slovak, Hungarian, Arabic, and Japanese.

Status Display

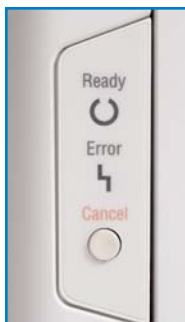
The Status Display provides detailed information about the printer, including current status, current consumable levels, and explanations of any errors that may have occurred. This helpful utility resides as an icon in the system tray on the Windows taskbar and can be activated simply by double-clicking the icon.



The PagePro 1400W Status Display



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Printer control panel

Printer Control Panel

The PagePro 1400W control panel has two LEDs that indicate the status of the printer.

Ready Indicator (Green)	Error Indicator (Orange)	Condition	Action
Off	Off	Power off	None
On	Off	Ready to print	None
Rapid Blinking	Off	Warming up	None
Blinking	Off	Processing data	None
		Printing	
On	On	Initializing (power on)	None
		Canceling a print job	
Slow Blinking	Off	Energy Saver mode	None
Rapid Blinking Alternately		Waiting for manual duplex	Load the second side of the media.
		Waiting for a proof print	If the proof print is acceptable, press the Cancel Button. If it is not acceptable, hold down the Cancel button for more than 5 seconds to cancel the current job.

Electronic User Documentation

Two manuals that you'll find especially useful are included on the *Utilities & Documentation* CD-ROM:

- ☐ PagePro 1400W Installation Guide
- ☐ PagePro 1400W User's Guide

These manuals are provided in Adobe PDF format. Using the free Adobe Reader, you'll be able to easily display these manuals on your computer screen, enlarge any illustrations you need a close-up view of, easily search for a certain word or phrase, or print part or all of the manual. In addition, these electronic manuals can be easily stored on your computer's hard disk or in a convenient place on your network, so that any information you need is only a click away.

All documentation is also posted on the KONICA MINOLTA PRINTING SOLUTIONS U.S.A. Service & Support website at printer.konicaminolta.com/support



Options

Offering additional assurance.

Extended Warranty

KONICA MINOLTA offers a 1-year extended exchange warranty for the PagePro 1400W. In addition to the printer's original warranty, KONICA MINOLTA warrants the PagePro 1400W against defects in materials and workmanship for an additional year. This extended warranty plan begins at the end of the printer's existing warranty.

With an Extended Exchange Warranty, KONICA MINOLTA will send a permanent replacement unit if the PagePro 1400W is determined to be defective. Replacement parts and products (where applicable) will be shipped as quickly as possible. This plan also covers all shipping charges.



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